

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HAO ZHANG	07/19/2012
RECEIVING PARTY DATA	
Name:	NORTHWESTERN UNIVERSITY
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15251610
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ATTORNEY DOCKET NUMBER:	20178/2011-101-04
NAME OF SUBMITTER:	CHRISTOPHER N. GEORGE
SIGNATURE:	/Christopher N. George/
DATE SIGNED:	10/12/2016
Total Attachments: 1	
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ASSIGNMENT

WHEREAS, I, Hao Zhang, hereinafter referred to as "ASSIGNOR," have invented certain new and useful improvements as described and set forth in the below-identified applications:

Associated NU IP Number: 2011-101-02
 Invention Title: Optical Coherence Photoacoustic Microscopy
 Patent Application Title: OPTICAL COHERENCE PHOTOACOUSTIC MICROSCOPY
 Filing Date: June 15, 2012 Serial No.: 13/524,813

Associated NU IP Number: 2011-101-03
 Invention Title: Optical Coherence Photoacoustic Microscopy
 Patent Application Title: OPTICAL COHERENCE PHOTOACOUSTIC MICROSCOPY
 Filing Date: June 15, 2012 Serial No.: PCT/US2012/042724

WHEREAS, Northwestern University, an Illinois not-for-profit corporation, having a place of business at 633 Clark Street, Evanston, Illinois 60208, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, any PCT applications, or prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full extent and term of any Letters Patent.

ASSIGNOR further agree that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR have hereunto signed ASSIGNOR'S name to this Assignment on the date indicated below.

Hao Zhang

DATE

07/19/2012

STATE OF Illinois)
) ss.
 COUNTY OF Cook)

On this 19th day of July, in the year of 2012, before me, the undersigned Notary Public or Witness, personally appeared the above-named ASSIGNOR OR ASSIGNOR, known to me (or proven to me on the basis of satisfactory evidence) to be the person(s) whose names are/is subscribed to the within instrument, and acknowledged that he/she/they executed the same.

SEAL



NOTARY PUBLIC or WITNESS

MY COMMISSION EXPIRES: 4/14/2015

RECORDED: 01/17/2013

PATENT
 REEL: 029651 FRAME: 0088

RECORDED: 10/12/2016

PATENT
 REEL: 039995 FRAME: 0340